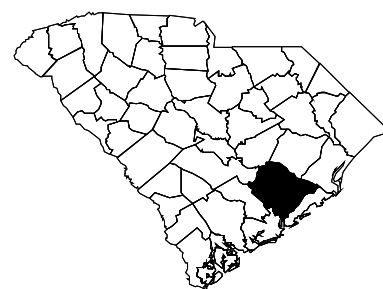


IMPACT OF CHRONIC CONDITIONS BERKELEY County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Berkeley county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The majority (39%) of the population in Berkeley county are between the ages of 18-44. The population under the age of 45 is (66%) which is higher than the state average (62%). There are equal amounts of males (50%) and females (50%). Berkeley county's minority population (31%) is same to the state (31%). When adults in DHEC's Region 7, which includes Berkeley County, were asked about their general health status, 84.2% reported having excellent, very good, or good health in 2005 (SC was 82%).

	BERKELEY COUNTY	STATE
Population size	151,673	4,255,083
Age distribution (%)		
<18	27	24
18-44	39	38
45-64	25	25
65-84	8	11
85+	1	2
Race (%)		
White	69	69
Black & Other	31	31
Sex (%)		
Male	50	49
Female	50	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Berkeley County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	24	22
Sedentary lifestyle	24	26
Overweight	70	65
High Cholesterol	37	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons 65 years and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	22.3	.	.	.	.	31.7
Number of hospitalizations	132	87	45	67	65	5,032
Crude rate of hospitalizations (per 100,000)	87	185	43	88	86	118
Median age of hospitalized patients	57	57	62	52	62	57
Total cost of hospitalization (\$)	3,694,300	2,831,200	863,100	2,318,100	1,376,200	109,400,500
Average length of hospital stay (days)	7	8	4	8	5	5
Number of ED visits	217	113	104	76	141	7,466
Crude rate of ED visits (per 100,000)	143	241	99	100	187	175
Median age of ED patients	57	52	67	57	57	52
Total cost of ED visits (\$)	312,000	165,200	146,800	103,400	208,600	9,929,000
Number of deaths**	7	3	3	2	5	423
Age-Adjusted Death rate (per 100,000)**	5	8	3	3	7	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.1					4.1
Number of hospitalizations	1,540	476	1,064	847	693	60,901
Crude rate of hospitalizations (per 100,000)	1,015	1,015	1,016	1,110	920	1,431
Median age of hospitalized patients	67	67	67	62	67	67
Total cost of hospitalization (\$)	80,105,100	22,246,000	57,859,100	47,364,300	32,740,800	2,286,836,400
Average length of hospital stay (days)	6	6	5	5	6	5
Number of ED visits	382	130	252	203	179	12,989
Crude rate of ED visits (per 100,000)	252	277	241	266	238	305
Median age of ED patients	62	57	62	57	62	62
Total cost of ED visits (\$)	1,282,100	501,400	780,700	787,200	494,900	42,115,900
Number of deaths**	232	68	161	139	93	9,328
Age-Adjusted Death rate (per 100,000)**	202	234	196	276	145	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	420	133	287	207	213	13,925
Crude rate of hospitalizations (per 100,000)	277	283	274	271	283	327
Median age of hospitalized patients	67	62	72	67	72	72
Total cost of hospitalization (\$)	13,578,100	4,716,200	8,861,900	6,940,900	6,637,200	384,441,600
Average length of hospital stay (days)	6	7	5	6	6	6
Number of ED visits	118	56	62	58	60	2,515
Crude rate of ED visits (per 100,000)	78	119	59	76	80	59
Median age of ED patients	67	67	67	62	70	67
Total cost of ED visits (\$)	483,900	224,100	259,800	251,400	232,500	9,113,000
Number of deaths**	67	23	44	22	45	2,440
Age-Adjusted Death rate (per 100,000)**	65	78	60	51	74	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	442	123	319	152	290	15,753
Crude rate of hospitalizations (per 100,000)	291	262	305	199	385	370
Median age of hospitalized patients	62	52	67	62	62	62
Total cost of hospitalization (\$)	8,787,500	1,541,300	7,246,200	3,241,500	5,546,000	268,425,300
Average length of hospital stay (days)	5	3	6	5	5	5
Number of ED visits	1,006	493	513	426	580	36,543
Crude rate of ED visits (per 100,000)	663	1,051	490	558	770	859
Median age of ED patients	32	17	42	17	37	37
Total cost of ED visits (\$)	1,318,200	557,200	761,000	516,600	801,600	40,613,700
Number of deaths**	71	3	68	39	32	1,968
Age-Adjusted Death rate (per 100,000)**	64	8	86	81	52	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.5	.	.	.	.	10.3
Number of hospitalizations	198	78	120	105	93	9,027
Crude rate of hospitalizations (per 100,000)	131	166	115	138	123	212
Median age of hospitalized patients	47	52	47	47	52	52
Total cost of hospitalization (\$)	4,779,100	2,053,000	2,726,100	2,136,800	2,642,300	179,747,700
Average length of hospital stay (days)	6	6	6	5	7	6
Number of ED visits	277	140	137	115	162	9,603
Crude rate of ED visits (per 100,000)	183	298	131	151	215	226
Median age of ED patients	57	57	57	52	57	52
Total cost of ED visits (\$)	493,100	255,600	237,500	224,300	268,800	13,447,300
Number of deaths**	31	14	17	17	14	1,183
Age-Adjusted Death rate (per 100,000)**	26	42	21	33	21	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	454	134	320	210	244	16,389
Crude rate of hospitalizations (per 100,000)	299	286	305	275	324	385
Median age of hospitalized patients	62	60	62	62	62	62
Total cost of hospitalization (\$)	22,952,900	7,665,800	15,287,100	12,056,500	10,896,400	664,309,500
Average length of hospital stay (days)	9	11	8	10	7	8
Number of deaths**	242	70	170	136	106	8,617
Age-Adjusted Death rate (per 100,000)**	197	227	189	258	154	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	42	12	30	20	22	2,070
Crude rate of hospitalizations (per 100,000)	28	26	29	26	29	49
Median age of hospitalized patients	67	65	70	65	70	67
Total cost of hospitalization (\$)	2,911,900	755,700	2,156,200	814,100	2,097,800	101,377,700
Average length of hospital stay (days)	12	13	12	9	16	10
Number of deaths**	21	7	13	10	11	812
Age-Adjusted Death rate (per 100,000)**	19	23	16	24	16	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	21	8	13	-	21	1,228
Crude rate of hospitalizations (per 100,000)	28	34	25	.	28	56
Median age of hospitalized patients	57	55	57	-	57	62
Total cost of hospitalization (\$)	520,200	152,300	367,900	-	520,200	26,163,000
Average length of hospital stay (days)	3	3	3	-	3	3
Number of deaths**	12	3	9	-	12	651
Age-Adjusted Death rate (per 100,000)**	16	15	16	-	16	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	9	4	5	-	9	192
Crude rate of hospitalizations (per 100,000)	12	17	10	-	12	9
Median age of hospitalized patients	42	42	47	-	42	47
Total cost of hospitalization (\$)	196,000	84,900	111,100	-	196,000	4,668,500
Average length of hospital stay (days)	3	3	2	-	3	4
Number of deaths**	2	-	2	-	2	63
Age-Adjusted Death rate (per 100,000)**	2	-	3	-	2	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	54	12	42	32	22	2,181
Crude rate of hospitalizations (per 100,000)	36	26	40	42	29	51
Median age of hospitalized patients	67	75	67	72	67	67
Total cost of hospitalization (\$)	3,843,000	1,393,000	2,450,000	2,722,900	1,120,100	92,775,300
Average length of hospital stay (days)	13	27	9	17	8	9
Number of deaths**	76	14	62	40	36	2,703
Age-Adjusted Death rate (per 100,000)**	62	50	66	72	53	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	41	16	25	41	-	1,209
Crude rate of hospitalizations (per 100,000)	54	68	47	61	-	58
Median age of hospitalized patients	62	57	62	62	-	62
Total cost of hospitalization (\$)	1,206,000	600,000	606,000	1,206,000	-	30,356,600
Average length of hospital stay (days)	3	4	3	3	-	4
Number of deaths**	24	13	11	24	-	460
Age-Adjusted Death rate (per 100,000)**	53	127	29	53	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others

For more information about

Chronic diseases in South Carolina contact:

Khosrow Heidari
Bureau of Community Health and Chronic Disease Prevention
SC Department of Health and Environmental Control
1777 St. Julian Place
Columbia, SC 29204
Tel (803) 545-4928

Hospital discharges and ED visits, contact:

Sandra Kelly
Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958
skelly@ors.state.sc.us

